

ABSTRACT OF THE DISCLOSURE

Radio communication apparatus includes a baseband processor for modulating data to be transmitted into an IF signal and for demodulating an IF signal derived from a received high frequency signal. A front end section receives the IF signal from the baseband processor and converts that IF signal into a high frequency signal for transmission. The front end section also is adapted to receive a high frequency signal from a remote location, and converts the received high frequency signal into an IF signal that is supplied to the baseband processor for demodulation and data recovery. The front end section is operable in a plurality of frequency bands and is tunable to a frequency within a selected one of the frequency bands for use as a radio frequency channel. Consequently, the number of simultaneously assigned channels in the same area can be markedly increased and the possibility of interrupting a communication link is significantly reduced.